# (local)\SQLEXPRESS Documentation

# baza1

Server (local)\SQLEXPRESS

Author t

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# **■** (local)\SQLEXPRESS

## Databases (1)

## • | | baza1

## **Server Properties**

Property	Value
Product	Microsoft SQL Server
Version	15.0.2000.5
Language	Angielski (Stany Zjednoczone)
Platform	NT x64
Edition	Express Edition (64-bit)
Engine Edition	4 (Express)
Processors	8
OS Version	6.3 (22000)
Physical Memory	16087
Is Clustered	False
Root Directory	C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL
Collation	Polish_CI_AS

## Server Settings

Property	Value
Default data file path	C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\DATA\
Default backup file path	C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\Backup
Default log file path	C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\DATA\
Recovery Interval (minutes)	0
Default index fill factor	0
Default backup media retention	0

## **Advanced Server Settings**

Property	Value
Locks	0
Nested triggers enabled	True
Allow triggers to fire others	True

Default language	English
Network packet size	4096
Default fulltext language LCID	1033
Two-digit year cutoff	2049
Remote login timeout	10
Cursor threshold	-1
Max text replication size	65536
Parallelism cost threshold	5
Max degree of parallelism	0
Min server memory	16
Max server memory	2147483647
Scan for startup procs	False
Transform noise words	False
CLR enabled	False
Blocked process threshold	0
Filestream access level	False
Optimize for ad hoc workloads	False
CLR strict security	True

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Databases (1)

• **|** baza1

# **■** baza1 Database

## **Database Properties**

Property	Value
SQL Server Version	Max
Compatibility Level	Max
Last backup time	-
Last log backup time	-
Creation date	Nov 13 2021
Users	4
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	16.00 MB
Unallocated space	1.70 MB

## **Database Options**

Property	Value
Compatibility Level	150
Database collation	Polish_CI_AS
Restrict access	MULTI_USER
Is read-only	False
Auto close	False
Auto shrink	False
Database status	ONLINE
In standby	False
Cleanly shutdown	False
Supplemental logging enabled	False
Snapshot isolation state	OFF
Read committed snapshot on	False
Recovery model	SIMPLE
Page verify option	CHECKSUM
Auto create statistics	True
Auto update statistics	True
Auto update statistics asynchronously	False
ANSI NULL default	False
ANSI NULL enabled	False
ANSI padding enabled	False

ANSI warnings enabled	False
Arithmetic abort enabled	False
Concatenating NULL yields NULL	False
Numeric roundabort enabled	False
Quoted Identifier On	False
Recursive triggers enabled	False
Close cursors on commit	False
Local cursors by default	False
Fulltext enabled	True
Trustworthy	False
Database chaining	False
Forced parameterization	False
Master key encrypted by server	False
Published	False
Subscribed	False
Merge published	False
Is distribution database	False
Sync with backup	False
Service broker GUID	74c02d3f-dfda-44ce-bd61-d150be477156
Service broker enabled	False
Log reuse wait	NOTHING
Date correlation	False
CDC enabled	False
Encrypted	False
Honor broker priority	False
Default language	English
Default fulltext language LCID	1033
Nested triggers enabled	True
Transform noise words	False
Two-digit year cutoff	2049
Containment	NONE
Target recovery time	60
Database owner	LAPTOP-5BO3VBA9\tt

## Files

Name	Туре	Size	Maxsize	Autogrowth	File Name
baza1	Data	8,00 MB	unlimited	64,00 MB	C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\DATA \baza1.mdf
baza1_log	Log	8,00 MB	2048,00 GB	64,00 MB	C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\DATA

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	\baz	za1_log.ldf

# **■ Tables**

## Objects

Name	
dbo.Adres Table with addresses	
dbo.Dostawa Table with shipment details	
dbo.Faktura Table with invoice details	
dbo.Klient Table with Client data	
dbo.kraj Country dict	
dbo.Magazyn Warehouse data	
dbo.Pracownicy Table with employees data	
dbo.Produkt Table with product data	
dbo.SkladMagazynu Table with warehouse stock data	
dbo.sklep Table with shop data	
dbo.TypFaktury Invoice type dictionary	
dbo.TypKlienta Client type dictionary	
dbo.TypProduktu Product type dictionary	
dbo.TypStanowiska Position dictionary	

dbo.Zamowienia
Table with order details

# [dbo].[Adres]

## MS\_Description

Table with addresses

## **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	997
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	19:41:49 sobota, 13 listopada 2021

### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK	ld Address identifier	int	4	NOT NULL
	Ulica Street with building and flat number (if exists)	nvarchar(30)	60	NULL allowed
	Kod_Pocztowy Zip code (XX-XXX)	nvarchar(6)	12	NULL allowed
	Miasto City name	nvarchar(25)	50	NULL allowed
FK	Kraj Country ISO 3 digit code	nvarchar(3)	6	NULL allowed

## Indexes

Key	Name	Key Columns	Unique
PK G	PK_Adres	Id	True

## Foreign Keys

Name	Columns
FK_Adres_kraj	Kraj->[dbo].[kraj].[ld]

## **SQL Script**

CREATE TABLE [dbo].[Adres]

```
[Id] [int] NOT NULL,
[Ulica] [nvarchar] (30) COLLATE Polish CI AS NULL,
[Kod Pocztowy] [nvarchar] (6) COLLATE Polish CI AS NULL,
[Miasto] [nvarchar] (25) COLLATE Polish CI AS NULL,
[Kraj] [nvarchar] (3) COLLATE Polish CI AS NULL
) ON [PRIMARY]
ALTER TABLE [dbo].[Adres] ADD CONSTRAINT [PK Adres] PRIMARY KEY CLUSTERED ([Id]) ON
ALTER TABLE [dbo].[Adres] ADD CONSTRAINT [FK Adres kraj] FOREIGN KEY ([Kraj])
REFERENCES [dbo].[kraj] ([Id])
EXEC sp addextendedproperty N'MS Description', N'Table with addresses', 'SCHEMA',
N'dbo', 'TABLE', N'Adres', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Address identifier', 'SCHEMA', N'dbo',
'TABLE', N'Adres', 'COLUMN', N'Id'
EXEC sp_addextendedproperty N'MS_Description', N'Zip code (XX-XXX)', 'SCHEMA', N'dbo',
'TABLE', N'Adres', 'COLUMN', N'Kod Pocztowy'
EXEC sp_addextendedproperty N'MS_Description', N'Country ISO 3 digit code', 'SCHEMA',
N'dbo', 'TABLE', N'Adres', 'COLUMN', N'Kraj'
EXEC sp addextendedproperty N'MS Description', N'City name', 'SCHEMA', N'dbo', 'TABLE',
N'Adres', 'COLUMN', N'Miasto'
EXEC sp addextendedproperty N'MS Description', N'Street with building and flat number
(if exists)', 'SCHEMA', N'dbo', 'TABLE', N'Adres', 'COLUMN', N'Ulica'
GO
```

#### Uses

[dbo].[kraj]

## **Used By**

[dbo].[Klient]

[dbo].[Magazyn]

[dbo].[Pracownicy]

## [dbo].[Dostawa]

### MS\_Description

Table with shipment details

### **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	22:15:24 sobota, 13 listopada 2021

#### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK	ld Shipment identifier	int	4	NOT NULL
	Nazwa Shipment name	nvarchar(100)	200	NULL allowed
	Koszt Shipment cost in currency	decimal(18,2)	9	NULL allowed

### Indexes

Key	Name	Key Columns	Unique
PK C	PK_Dostawa	ld	True

```
CREATE TABLE [dbo].[Dostawa]

(
[Id] [int] NOT NULL,
[Nazwa] [nvarchar] (100) COLLATE Polish_CI_AS NULL,
[Koszt] [decimal] (18, 2) NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Dostawa] ADD CONSTRAINT [PK_Dostawa] PRIMARY KEY CLUSTERED ([Id])
ON [PRIMARY]

GO

EXEC sp_addextendedproperty N'MS_Description', N'Table with shipment details',
'SCHEMA', N'dbo', 'TABLE', N'Dostawa', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Shipment identifier', 'SCHEMA',
```

## Project > (local)\SQLEXPRESS > User databases > baza1 > Tables > dbo.Dostawa

```
N'dbo', 'TABLE', N'Dostawa', 'COLUMN', N'Id'
GO
EXEC sp_addextendedproperty N'MS_Description', N'Shipment cost in currency', 'SCHEMA',
N'dbo', 'TABLE', N'Dostawa', 'COLUMN', N'Koszt'
GO
EXEC sp_addextendedproperty N'MS_Description', N'Shipment name', 'SCHEMA', N'dbo',
'TABLE', N'Dostawa', 'COLUMN', N'Nazwa'
GO
```

## **Used By**

[dbo].[Zamowienia]

# [dbo].[Faktura]

## MS\_Description

Table with invoice details

## **Properties**

Property	Value
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	19:47:33 sobota, 13 listopada 2021

### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK	NumerFaktury Invoice identifier	int	4	NOT NULL
FK	nr_zamowienia Order number (integer)	int	4	NULL allowed
FK	Typ Invoice type	int	4	NULL allowed

## Indexes

Key	Name	Key Columns	Unique
PK C	PK_Faktura	NumerFaktury	True

## Foreign Keys

Name	Columns
FK_Faktura_TypFaktury	Typ->[dbo].[TypFaktury].[ld]
FK_Faktura_Zamowienia	nr_zamowienia->[dbo].[Zamowienia].[ld]

```
CREATE TABLE [dbo].[Faktura]

(
[NumerFaktury] [int] NOT NULL,
[nr_zamowienia] [int] NULL,
[Typ] [int] NULL

) ON [PRIMARY]
```

```
GO
ALTER TABLE [dbo].[Faktura] ADD CONSTRAINT [PK_Faktura] PRIMARY KEY CLUSTERED ([Numer-
Faktury]) ON [PRIMARY]
ALTER TABLE [dbo].[Faktura] ADD CONSTRAINT [FK_Faktura_TypFaktury] FOREIGN KEY ([Typ])
REFERENCES [dbo].[TypFaktury] ([Id])
ALTER TABLE [dbo].[Faktura] ADD CONSTRAINT [FK Faktura Zamowienia] FOREIGN KEY
([nr zamowienia]) REFERENCES [dbo].[Zamowienia] ([Id])
GO
EXEC sp addextendedproperty N'MS Description', N'Table with invoice details', 'SCHEMA',
N'dbo', 'TABLE', N'Faktura', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Order number (integer)', 'SCHEMA',
N'dbo', 'TABLE', N'Faktura', 'COLUMN', N'nr zamowienia'
EXEC sp_addextendedproperty N'MS_Description', N'Invoice identifier', 'SCHEMA', N'dbo',
'TABLE', N'Faktura', 'COLUMN', N'NumerFaktury
EXEC sp addextendedproperty N'MS Description', N'Invoice type', 'SCHEMA', N'dbo',
'TABLE', N'Faktura', 'COLUMN', N'Typ'
```

#### Uses

[dbo].[TypFaktury] [dbo].[Zamowienia]

# [dbo].[Klient]

## MS\_Description

Table with Client data

## **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	20:00:27 sobota, 13 listopada 2021

## Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK	ld Client identifier	int	4	NOT NULL
	Imie First name	nvarchar(10)	20	NULL allowed
	Nazwisko Last name	nvarchar(30)	60	NULL allowed
	Telefon Phone number (fill with digits with prefix - without space)	nvarchar(13)	26	NULL allowed
FK	Adres Address identifier	int	4	NULL allowed
FK	TypKlienta Client Type identifier	int	4	NULL allowed

## Indexes

Key	Name	Key Columns	Unique
PK	PK_Klient	ld	True

## Foreign Keys

Name	Columns	
FK_Klient_Adres	Adres->[dbo].[Adres].[ld]	
FK_Klient_TypKlienta	TypKlienta->[dbo].[TypKlienta].[ld]	

## **SQL Script**

```
CREATE TABLE [dbo].[Klient]
[Id] [int] NOT NULL,
[Imie] [nvarchar] (10) COLLATE Polish CI AS NULL,
[Nazwisko] [nvarchar] (30) COLLATE Polish CI AS NULL,
[Telefon] [nvarchar] (13) COLLATE Polish CI AS NULL,
[Adres] [int] NULL,
[TypKlienta] [int] NULL
) ON [PRIMARY]
ALTER TABLE [dbo].[Klient] ADD CONSTRAINT [PK Klient] PRIMARY KEY CLUSTERED ([Id]) ON
[PRIMARY]
ALTER TABLE [dbo].[Klient] ADD CONSTRAINT [FK Klient Adres] FOREIGN KEY ([Adres])
REFERENCES [dbo].[Adres] ([Id])
ALTER TABLE [dbo].[Klient] ADD CONSTRAINT [FK Klient TypKlienta] FOREIGN KEY ([Typ-
Klienta]) REFERENCES [dbo].[TypKlienta] ([Id])
EXEC sp addextendedproperty N'MS Description', N'Table with Client data', 'SCHEMA',
N'dbo', 'TABLE', N'Klient', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Address identifier', 'SCHEMA', N'dbo',
'TABLE', N'Klient', 'COLUMN', N'Adres'
EXEC sp addextendedproperty N'MS Description', N'Client identifier', 'SCHEMA', N'dbo',
'TABLE', N'Klient', 'COLUMN', N'Id'
EXEC sp addextendedproperty N'MS Description', N'First name', 'SCHEMA', N'dbo',
'TABLE', N'Klient', 'COLUMN', N'Imie'
EXEC sp addextendedproperty N'MS Description', N'Last name', 'SCHEMA', N'dbo', 'TABLE',
N'Klient', 'COLUMN', N'Nazwisko'
EXEC sp addextendedproperty N'MS Description', N'Phone number (fill with digits with
prefix - without space)', 'SCHEMA', N'dbo', 'TABLE', N'Klient', 'COLUMN', N'Telefon'
GO
EXEC sp addextendedproperty N'MS Description', N'Client Type identifier', 'SCHEMA',
N'dbo', 'TABLE', N'Klient', 'COLUMN', N'TypKlienta'
```

#### Uses

[dbo].[Adres] [dbo].[TypKlienta]

**Used By** 

[dbo].[Zamowienia]

## [dbo].[kraj]

### MS\_Description

Country dict

### **Properties**

Property	Value	
Collation	Polish_CI_AS	
Row Count (~)	244	
Created	19:39:48 sobota, 13 listopada 2021	
Last Modified	19:53:25 sobota, 13 listopada 2021	

#### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK <mark>P</mark> C	Id ISO 3 digits identifier	nvarchar(3)	6	NOT NULL
	Nazwa Country name	nvarchar(60)	120	NULL allowed

#### **Indexes**

Key	Name	Key Columns	Unique
PK	PK_kraj	ld	True

```
CREATE TABLE [dbo].[kraj]

(
[Id] [nvarchar] (3) COLLATE Polish_CI_AS NOT NULL,

[Nazwa] [nvarchar] (60) COLLATE Polish_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[kraj] ADD CONSTRAINT [PK_kraj] PRIMARY KEY CLUSTERED ([Id]) ON

[PRIMARY]

GO

EXEC sp_addextendedproperty N'MS_Description', N'Country dict', 'SCHEMA', N'dbo',

'TABLE', N'kraj', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'ISO 3 digits identifier', 'SCHEMA',
N'dbo', 'TABLE', N'kraj', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Country name', 'SCHEMA', N'dbo',
```

## Project > (local)\SQLEXPRESS > User databases > baza1 > Tables > dbo.kraj

'TABLE', N'kraj', 'COLUMN', N'Nazwa' GO

Used By

[dbo].[Adres]

## [dbo].[Magazyn]

## MS\_Description

#### Warehouse data

### **Properties**

Property	Value	
Row Count (~)	1000	
Created	19:39:48 sobota, 13 listopada 2021	
Last Modified	19:57:50 sobota, 13 listopada 2021	

### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK <mark>P</mark> C	ld Warehouse identifier	int	4	NOT NULL
FK	Adress identifier	int	4	NULL allowed

## Indexes

Key	Name	Key Columns	Unique
PKP C	PK_Magazyn	ld	True

## Foreign Keys

Name	Columns	
FK_Magazyn_Adres	Adres->[dbo].[Adres].[ld]	

```
CREATE TABLE [dbo].[Magazyn]

(
[Id] [int] NOT NULL,

[Adres] [int] NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Magazyn] ADD CONSTRAINT [PK_Magazyn] PRIMARY KEY CLUSTERED ([Id])

ON [PRIMARY]

GO

ALTER TABLE [dbo].[Magazyn] ADD CONSTRAINT [FK_Magazyn_Adres] FOREIGN KEY ([Adres])
```

```
REFERENCES [dbo].[Adres] ([Id])

GO

EXEC sp_addextendedproperty N'MS_Description', N'Warehouse data', 'SCHEMA', N'dbo',
    'TABLE', N'Magazyn', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Address identifier', 'SCHEMA', N'dbo',
    'TABLE', N'Magazyn', 'COLUMN', N'Adres'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Warehouse identifier', 'SCHEMA',
    N'dbo', 'TABLE', N'Magazyn', 'COLUMN', N'Id'

GO
```

Uses

[dbo].[Adres]

**Used By** 

[dbo].[SkladMagazynu]

# [dbo].[Pracownicy]

## MS\_Description

Table with employees data

## **Properties**

Property	Value	
Collation	Polish_CI_AS	
Row Count (~)	1000	
Created	19:39:48 sobota, 13 listopada 2021	
Last Modified	20:00:24 sobota, 13 listopada 2021	

## Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK	Id Employee identifier	int	4	NOT NULL
	Imie First name	nvarchar(10)	20	NULL allowed
	Nazwisko Last name	nvarchar(30)	60	NULL allowed
	PESEL PESEL (only digits no spaces)	nvarchar(11)	22	NULL allowed
	Telefon Phone number (fill with digits with prefix - without space)	nvarchar(13)	26	NULL allowed
FK	Stanowisko Position identifier	int	4	NULL allowed
	MiejscePracy Works place	nvarchar(50)	100	NULL allowed
FK	Adres Address identifier	int	4	NULL allowed

## Indexes

Key	Name	Key Columns	Unique
PK G	PK_Pracownicy	ld	True

## Foreign Keys

Name	Columns
------	---------

FK_Pracownicy_Adres	Adres->[dbo].[Adres].[ld]
FK_Pracownicy_TypStanowiska	Stanowisko->[dbo].[TypStanowiska].[ld]

```
CREATE TABLE [dbo].[Pracownicy]
[Id] [int] NOT NULL,
[Imie] [nvarchar] (10) COLLATE Polish CI AS NULL,
[Nazwisko] [nvarchar] (30) COLLATE Polish CI AS NULL,
[PESEL] [nvarchar] (11) COLLATE Polish CI AS NULL,
[Telefon] [nvarchar] (13) COLLATE Polish CI AS NULL,
[Stanowisko] [int] NULL,
[MiejscePracy] [nvarchar] (50) COLLATE Polish CI AS NULL,
[Adres] [int] NULL
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[Pracownicy] ADD CONSTRAINT [PK Pracownicy] PRIMARY KEY CLUSTERED
([Id]) ON [PRIMARY]
ALTER TABLE [dbo]. [Pracownicy] ADD CONSTRAINT [FK Pracownicy Adres] FOREIGN KEY
([Adres]) REFERENCES [dbo].[Adres] ([Id])
ALTER TABLE [dbo].[Pracownicy] ADD CONSTRAINT [FK Pracownicy TypStanowiska] FOREIGN KEY
([Stanowisko]) REFERENCES [dbo].[TypStanowiska] ([Id])
EXEC sp addextendedproperty N'MS Description', N'Table with employees data', 'SCHEMA',
N'dbo', 'TABLE', N'Pracownicy', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Address identifier', 'SCHEMA', N'dbo',
'TABLE', N'Pracownicy', 'COLUMN', N'Adres'
EXEC sp addextendedproperty N'MS Description', N'Employee identifier', 'SCHEMA',
N'dbo', 'TABLE', N'Pracownicy', 'COLUMN', N'Id'
EXEC sp addextendedproperty N'MS Description', N'First name', 'SCHEMA', N'dbo',
'TABLE', N'Pracownicy', 'COLUMN', N'Imie'
EXEC sp addextendedproperty N'MS Description', N'Works place', 'SCHEMA', N'dbo',
'TABLE', N'Pracownicy', 'COLUMN', N'MiejscePracy'
EXEC sp addextendedproperty N'MS Description', N'Last name', 'SCHEMA', N'dbo', 'TABLE',
N'Pracownicy', 'COLUMN', N'Nazwisko'
EXEC sp addextendedproperty N'MS Description', N'PESEL (only digits no spaces)',
'SCHEMA', N'dbo', 'TABLE', N'Pracownicy', 'COLUMN', N'PESEL'
EXEC sp addextendedproperty N'MS Description', N'Position identifier', 'SCHEMA',
N'dbo', 'TABLE', N'Pracownicy', 'COLUMN', N'Stanowisko'
EXEC sp addextendedproperty N'MS Description', N'Phone number (fill with digits with
prefix - without space)', 'SCHEMA', N'dbo', 'TABLE', N'Pracownicy', 'COLUMN',
N'Telefon'
GO
```

## Uses

[dbo].[Adres] [dbo].[TypStanowiska]

## Used By

[dbo].[sklep] [dbo].[Zamowienia]

# [dbo].[Produkt]

## MS\_Description

Table with product data

## **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	22:14:15 sobota, 13 listopada 2021

### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK <mark>P</mark> C	Id Product identifier	int	4	NOT NULL
	Nazwa Product name	nvarchar(50)	100	NULL allowed
	Opis Product description	nvarchar(100)	200	NULL allowed
F	Typ Product type identifier	int	4	NULL allowed
	Cena Product price in currency	decimal(18,2)	9	NULL allowed

## Indexes

Key	Name	Key Columns	Unique
PK G	PK_Produkt	ld	True

## Foreign Keys

Name	Columns
FK_Produkt_TypProduktu	Typ->[dbo].[TypProduktu].[ld]

```
CREATE TABLE [dbo].[Produkt]
```

```
[Id] [int] NOT NULL,
[Nazwa] [nvarchar] (50) COLLATE Polish CI AS NULL,
[Opis] [nvarchar] (100) COLLATE Polish CI AS NULL,
[Typ] [int] NULL,
[Cena] [decimal] (18, 2) NULL
) ON [PRIMARY]
ALTER TABLE [dbo].[Produkt] ADD CONSTRAINT [PK Produkt] PRIMARY KEY CLUSTERED ([Id])
ON [PRIMARY]
ALTER TABLE [dbo].[Produkt] ADD CONSTRAINT [FK Produkt TypProduktu] FOREIGN KEY ([Typ])
REFERENCES [dbo].[TypProduktu] ([Id])
EXEC sp addextendedproperty N'MS Description', N'Table with product data', 'SCHEMA',
N'dbo', 'TABLE', N'Produkt', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Product price in currency', 'SCHEMA',
N'dbo', 'TABLE', N'Produkt', 'COLUMN', N'Cena'
EXEC sp addextendedproperty N'MS Description', N'Product identifier', 'SCHEMA', N'dbo',
'TABLE', N'Produkt', 'COLUMN', N'Id'
EXEC sp addextendedproperty N'MS Description', N'Product name', 'SCHEMA', N'dbo',
'TABLE', N'Produkt', 'COLUMN', N'Nazwa'
EXEC sp addextendedproperty N'MS Description', N'Product description', 'SCHEMA',
N'dbo', 'TABLE', N'Produkt', 'COLUMN', N'Opis
EXEC sp addextendedproperty N'MS Description', N'Product type identifier', 'SCHEMA',
N'dbo', 'TABLE', N'Produkt', 'COLUMN', N'Typ'
```

#### Uses

[dbo].[TypProduktu]

## **Used By**

[dbo].[SkladMagazynu] [dbo].[Zamowienia]

# [dbo].[SkladMagazynu]

## MS\_Description

Table with warehouse stock data

## **Properties**

Property	Value
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	20:03:26 sobota, 13 listopada 2021

### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PKO FKO	IdMagazynu Warehouse identifier	int	4	NOT NULL
F	IdProduktu Product identifier	int	4	NOT NULL
	Liczba Amount on stock	int	4	NULL allowed

## Indexes

Key	Name	Key Columns	Unique
PK G	PK_SkladMagazynu	IdMagazynu	True

## Foreign Keys

Name	Columns
FK_SkladMagazynu_Magazyn	ldMagazynu->[dbo].[Magazyn].[ld]
FK_SkladMagazynu_Produkt	ldProduktu->[dbo].[Produkt].[ld]

```
CREATE TABLE [dbo].[SkladMagazynu]

(
[IdMagazynu] [int] NOT NULL,

[IdProduktu] [int] NOT NULL,

[Liczba] [int] NULL

) ON [PRIMARY]
```

```
ALTER TABLE [dbo].[SkladMagazynu] ADD CONSTRAINT [PK_SkladMagazynu] PRIMARY KEY
CLUSTERED ([IdMagazynu]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[SkladMagazynu] ADD CONSTRAINT [FK_SkladMagazynu_Magazyn] FOREIGN KEY
([IdMagazynu]) REFERENCES [dbo].[Magazyn] ([Id])

GO

ALTER TABLE [dbo].[SkladMagazynu] ADD CONSTRAINT [FK_SkladMagazynu_Produkt] FOREIGN KEY
([IdProduktu]) REFERENCES [dbo].[Produkt] ([Id])

GO

EXEC sp_addextendedproperty N'MS_Description', N'Table with warehouse stock data',
'SCHEMA', N'dbo', 'TABLE', N'SkladMagazynu', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Warehouse identifier', 'SCHEMA',
N'dbo', 'TABLE', N'SkladMagazynu', 'COLUMN', N'IdMagazynu'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Product identifier', 'SCHEMA', N'dbo',
'TABLE', N'SkladMagazynu', 'COLUMN', N'IdProduktu'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Product identifier', 'SCHEMA', N'dbo',
'TABLE', N'SkladMagazynu', 'COLUMN', N'IdProduktu'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Amount on stock', 'SCHEMA', N'dbo',
'TABLE', N'SkladMagazynu', 'COLUMN', N'Liczba'

GO
```

#### Uses

[dbo].[Magazyn] [dbo].[Produkt]

# [dbo].[sklep]

## MS\_Description

Table with shop data

## **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	20:06:30 sobota, 13 listopada 2021

## Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK	id_sklepu Shop identifier	int	4	NOT NULL	
FK	id_pracownika Employee identifier	int	4	NULL allowed	
FK	id_zamowienia Order identifier	int	4	NULL allowed	
	miasto City name	nvarchar(35)	70	NULL allowed	
	ulica Street, building number and flat number (if exists)	nvarchar(100)	200	NULL allowed	
	kod-pocztowy	nvarchar(6)	12	NULL allowed	(N'Zip code (XX-XXX)')

## Indexes

Key	Name	Key Columns	Unique
PK C	PK_sklep	id_sklepu	True

## Foreign Keys

Name Columns	
FK_sklep_Pracownicy	id_pracownika->[dbo].[Pracownicy].[ld]
FK_sklep_Zamowienia	id_zamowienia->[dbo].[Zamowienia].[ld]

## **SQL Script**

```
CREATE TABLE [dbo].[sklep]
[id sklepu] [int] NOT NULL,
[id pracownika] [int] NULL,
[id zamowienia] [int] NULL,
[miasto] [nvarchar] (35) COLLATE Polish CI AS NULL,
[ulica] [nvarchar] (100) COLLATE Polish CI AS NULL,
[kod-pocztowy] [nvarchar] (6) COLLATE Polish CI AS NULL CONSTRAINT [DF sklep kod-
pocztowy] DEFAULT (N'Zip code (XX-XXX)')
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[sklep] ADD CONSTRAINT [PK sklep] PRIMARY KEY CLUSTERED
([id sklepu]) ON [PRIMARY]
ALTER TABLE [dbo].[sklep] ADD CONSTRAINT [FK sklep Pracownicy] FOREIGN KEY
([id pracownika]) REFERENCES [dbo].[Pracownicy] ([Id])
ALTER TABLE [dbo].[sklep] ADD CONSTRAINT [FK sklep Zamowienia] FOREIGN KEY
([id zamowienia]) REFERENCES [dbo].[Zamowienia] ([Id])
EXEC sp addextendedproperty N'MS Description', N'Table with shop data', 'SCHEMA',
N'dbo', 'TABLE', N'sklep', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Employee identifier', 'SCHEMA',
N'dbo', 'TABLE', N'sklep', 'COLUMN', N'id pracownika'
EXEC sp addextendedproperty N'MS Description', N'Shop identifier', 'SCHEMA', N'dbo',
'TABLE', N'sklep', 'COLUMN', N'id sklepu'
EXEC sp addextendedproperty N'MS Description', N'Order identifier', 'SCHEMA', N'dbo',
'TABLE', N'sklep', 'COLUMN', N'id zamowienia'
EXEC sp addextendedproperty N'MS Description', N'City name', 'SCHEMA', N'dbo', 'TABLE',
N'sklep', 'COLUMN', N'miasto'
EXEC sp addextendedproperty N'MS Description', N'Street, building number and flat
number (if exists)', 'SCHEMA', N'dbo', 'TABLE', N'sklep', 'COLUMN', N'ulica'
```

#### Uses

[dbo].[Pracownicy] [dbo].[Zamowienia]

## [dbo].[TypFaktury]

### MS\_Description

Invoice type dictionary

### **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	20:11:39 sobota, 13 listopada 2021

#### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK <mark>P</mark> C	ld Invoice type identifier	int	4	NOT NULL
	Nazwa Invoice type name	nvarchar(10)	20	NULL allowed

#### **Indexes**

Key	Name	Key Columns	Unique
PK C	PK_TypFaktury	ld	True

```
CREATE TABLE [dbo].[TypFaktury]

(
[Id] [int] NOT NULL,
[Nazwa] [nvarchar] (10) COLLATE Polish_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[TypFaktury] ADD CONSTRAINT [PK_TypFaktury] PRIMARY KEY CLUSTERED

([Id]) ON [PRIMARY]

GO

EXEC sp_addextendedproperty N'MS_Description', N'Invoice type dictionary', 'SCHEMA',
N'dbo', 'TABLE', N'TypFaktury', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Invoice type identifier', 'SCHEMA',
N'dbo', 'TABLE', N'TypFaktury', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Invoice type identifier', 'SCHEMA',
N'dbo', 'TABLE', N'TypFaktury', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Invoice type name', 'SCHEMA', N'dbo',
```

## Project > (local)\SQLEXPRESS > User databases > baza1 > Tables > dbo.TypFaktury

'TABLE', N'TypFaktury', 'COLUMN', N'Nazwa'
GO

Used By

[dbo].[Faktura]

## [dbo].[TypKlienta]

### MS\_Description

Client type dictionary

### **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	20:12:19 sobota, 13 listopada 2021

#### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK <mark>P</mark> C	ld Client type identifier	int	4	NOT NULL
	Nazwa Client type name	nvarchar(10)	20	NULL allowed

#### **Indexes**

Key	Name	Key Columns	Unique
PK	PK_TypKlienta	ld	True

```
CREATE TABLE [dbo].[TypKlienta]

(
[Id] [int] NOT NULL,

[Nazwa] [nvarchar] (10) COLLATE Polish_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[TypKlienta] ADD CONSTRAINT [PK_TypKlienta] PRIMARY KEY CLUSTERED

([Id]) ON [PRIMARY]

GO

EXEC sp_addextendedproperty N'MS_Description', N'Client type dictionary', 'SCHEMA',
N'dbo', 'TABLE', N'TypKlienta', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Client type identifier', 'SCHEMA',
N'dbo', 'TABLE', N'TypKlienta', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Client type name', 'SCHEMA',
N'dbo', 'TABLE', N'TypKlienta', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Client type name', 'SCHEMA', N'dbo',
```

## Project > (local)\SQLEXPRESS > User databases > baza1 > Tables > dbo.TypKlienta

'TABLE', N'TypKlienta', 'COLUMN', N'Nazwa'
GO

Used By

[dbo].[Klient]

## [dbo].[TypProduktu]

### MS\_Description

### Product type dictionary

### **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	20:12:59 sobota, 13 listopada 2021

#### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK G	ld Product type identifier	int	4	NOT NULL
	Nazwa Product type name	nvarchar(50)	100	NULL allowed

#### **Indexes**

Key	Name	Key Columns	Unique
PK C	PK_TypProduktu	ld	True

```
CREATE TABLE [dbo].[TypProduktu]

(
[Id] [int] NOT NULL,

[Nazwa] [nvarchar] (50) COLLATE Polish_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[TypProduktu] ADD CONSTRAINT [PK_TypProduktu] PRIMARY KEY CLUSTERED

([Id]) ON [PRIMARY]

GO

EXEC sp_addextendedproperty N'MS_Description', N'Product type dictionary', 'SCHEMA',
N'dbo', 'TABLE', N'TypProduktu', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Product type identifier', 'SCHEMA',
N'dbo', 'TABLE', N'TypProduktu', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Product type identifier', 'SCHEMA',
N'dbo', 'TABLE', N'TypProduktu', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Product type name', 'SCHEMA', N'dbo',
```

'TABLE',	N'TypProduktu',	'COLUMN',	N'Nazwa'
GO			

Used By

[dbo].[Produkt]

## [dbo].[TypStanowiska]

#### MS\_Description

Position dictionary

#### **Properties**

Property	Value
Collation	Polish_CI_AS
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	20:16:06 sobota, 13 listopada 2021

#### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK G	ld Position identifier	int	4	NOT NULL
	Nazwa Position name	nvarchar(50)	100	NULL allowed

#### **Indexes**

Key	Name	Key Columns	Unique
PK C	PK_TypStanowiska	ld	True

#### **SQL Script**

```
CREATE TABLE [dbo].[TypStanowiska]

(
[Id] [int] NOT NULL,
[Nazwa] [nvarchar] (50) COLLATE Polish_CI_AS NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[TypStanowiska] ADD CONSTRAINT [PK_TypStanowiska] PRIMARY KEY
CLUSTERED ([Id]) ON [PRIMARY]

GO

EXEC sp_addextendedproperty N'MS_Description', N'Position dictionary', 'SCHEMA',
N'dbo', 'TABLE', N'TypStanowiska', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Position identifier', 'SCHEMA',
N'dbo', 'TABLE', N'TypStanowiska', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Position identifier', 'SCHEMA',
N'dbo', 'TABLE', N'TypStanowiska', 'COLUMN', N'Id'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Position name', 'SCHEMA', N'dbo',
```

### Project > (local)\SQLEXPRESS > User databases > baza1 > Tables > dbo.TypStanowiska

'TABLE', N'TypStanowiska', 'COLUMN', N'Nazwa'
GO

Used By

[dbo].[Pracownicy]

# [dbo].[Zamowienia]

## MS\_Description

Table with order details

### **Properties**

Property	Value
Row Count (~)	1000
Created	19:39:48 sobota, 13 listopada 2021
Last Modified	22:14:56 sobota, 13 listopada 2021

#### Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK	ld Order identifier	int	4	NOT NULL
F	IdKlienta Client identifier	int	4	NULL allowed
FK	Dostawa Shipment identfier	int	4	NULL allowed
	Rabat Discount from final price (amount expressed in currency)	decimal(18,2)	9	NULL allowed
FK	Pracownik Employee identfier	int	4	NULL allowed
	DataZamowienia Order date	date	3	NULL allowed
F	Produkt Product identifier	int	4	NULL allowed
	StawkaVat VAT amount (0, 8, 23 etc.)	int	4	NULL allowed

### Indexes

Key	Name	Key Columns	Unique
PK C	PK_Zamowienia	ld	True

## Foreign Keys

Name	Columns	
FK_Zamowienia_Dostawa	Dostawa->[dbo].[Dostawa].[ld]	

FK_Zamowienia_Klient	ldKlienta->[dbo].[Klient].[ld]	
FK_Zamowienia_Pracownicy	Pracownik->[dbo].[Pracownicy].[ld]	
FK_Zamowienia_Produkt	Produkt->[dbo].[Produkt].[ld]	

#### **SQL Script**

```
CREATE TABLE [dbo].[Zamowienia]
[Id] [int] NOT NULL,
[IdKlienta] [int] NULL,
[Dostawa] [int] NULL,
[Rabat] [decimal] (18, 2) NULL,
[Pracownik] [int] NULL,
[DataZamowienia] [date] NULL,
[Produkt] [int] NULL,
[StawkaVat] [int] NULL
) ON [PRIMARY]
ALTER TABLE [dbo].[Zamowienia] ADD CONSTRAINT [PK Zamowienia] PRIMARY KEY CLUSTERED
([Id]) ON [PRIMARY]
ALTER TABLE [dbo]. [Zamowienia] ADD CONSTRAINT [FK Zamowienia Dostawa] FOREIGN KEY
([Dostawa]) REFERENCES [dbo].[Dostawa] ([Id])
ALTER TABLE [dbo]. [Zamowienia] ADD CONSTRAINT [FK Zamowienia Klient] FOREIGN KEY ([Id-
Klienta]) REFERENCES [dbo].[Klient] ([Id])
ALTER TABLE [dbo]. [Zamowienia] ADD CONSTRAINT [FK Zamowienia Pracownicy] FOREIGN KEY
([Pracownik]) REFERENCES [dbo].[Pracownicy] ([Id])
ALTER TABLE [dbo].[Zamowienia] ADD CONSTRAINT [FK Zamowienia Produkt] FOREIGN KEY
([Produkt]) REFERENCES [dbo].[Produkt] ([Id])
EXEC sp addextendedproperty N'MS Description', N'Table with order details', 'SCHEMA',
N'dbo', 'TABLE', N'Zamowienia', NULL, NULL
EXEC sp_addextendedproperty N'MS_Description', N'Order date', 'SCHEMA', N'dbo',
'TABLE', N'Zamowienia', 'COLUMN', N'DataZamowienia'
EXEC sp addextendedproperty N'MS Description', N'Shipment identfier', 'SCHEMA', N'dbo',
'TABLE', N'Zamowienia', 'COLUMN', N'Dostawa'
EXEC sp addextendedproperty N'MS Description', N'Order identifier', 'SCHEMA', N'dbo',
'TABLE', N'Zamowienia', 'COLUMN', N'Id'
EXEC sp_addextendedproperty N'MS_Description', N'Client identifier', 'SCHEMA', N'dbo',
'TABLE', N'Zamowienia', 'COLUMN', N'IdKlienta
EXEC sp addextendedproperty N'MS Description', N'Employee identfier', 'SCHEMA', N'dbo',
'TABLE', N'Zamowienia', 'COLUMN', N'Pracownik'
EXEC sp addextendedproperty N'MS Description', N'Product identifier', 'SCHEMA', N'dbo',
'TABLE', N'Zamowienia', 'COLUMN', N'Produkt'
```

```
EXEC sp_addextendedproperty N'MS_Description', N'Discount from final price (amount expressed in currency)', 'SCHEMA', N'dbo', 'TABLE', N'Zamowienia', 'COLUMN', N'Rabat'

GO

EXEC sp_addextendedproperty N'MS_Description', N'VAT amount (0, 8, 23 etc.)', 'SCHEMA', N'dbo', 'TABLE', N'Zamowienia', 'COLUMN', N'StawkaVat'

GO
```

#### Uses

[dbo].[Dostawa]

[dbo].[Klient]

[dbo].[Pracownicy]

[dbo].[Produkt]

#### **Used By**

[dbo].[Faktura]

[dbo].[sklep]

# **1** Users

Objects

Name	
dbo	
guest	



## **Properties**

Property	Value	
Туре	WindowsUser	
Login Name	LAPTOP-5BO3VBA9\tt	
Default Schema	dbo	

### **Database Level Permissions**

Туре	Action
CONNECT	Grant

### SQL Script

GO			



# **Properties**

Property	Value
Туре	SqlUser
Default Schema	guest

# SQL Script

GO

# La Database Roles

## Objects

Name
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin
public

# ♣ db\_accessadmin

### **Properties**

Property	Value
Owner	dbo

# db\_backupoperator

## **Properties**

Property	Value
Owner	dbo

# ♣ db\_datareader

### **Properties**

Property	Value
Owner	dbo

# db\_datawriter

### **Properties**

Property	Value
Owner	dbo

# db\_ddladmin

### **Properties**

Property	Value
Owner	dbo

# db\_denydatareader

### **Properties**

Property	Value
Owner	dbo

# db\_denydatawriter

### **Properties**

Property	Value
Owner	dbo

# db\_owner

### **Properties**

Property	Value
Owner	dbo

# db\_securityadmin

## **Properties**

Property	Value
Owner	dbo

# ♣•• public

## **Properties**

Property	Value
Owner	dbo